

## ABSTRACT

**A METHOD OF DESPREADING A SPREAD SPECTRUM SIGNAL**

5           A method of despreadng a target spread spectrum signal containing  
pseudorandom noise (PRN) code sequences modulated by a data message is  
disclosed. The method comprises the steps of providing data message  
information relating to the timing of an epoch of at least one data bit; and  
performing a correlation of the target signal and a replica signal containing  
10       corresponding PRN code sequences using the data message information to  
minimise degradation of the correlation caused by variations in the PRN code  
sequences in the target signal attributable to modulation by the data message.

          The correlation may be timed so as to substantially avoid continuous  
correlation over an epoch of a data bit. Alternatively, the data message  
15       information may further comprise bit information wherein the correlation is  
modified as a function of the data message information. In particular, where  
data bit modulation of the PRN code sequences in the target signal is the  
same as or equivalent to exclusive-or modulation, the polarity of PRN code  
sequences in the replica signal may be selectively reversed.

20       [Figure 2]

00000000.051501  
100150.500000